OPERATIONS MANUAL

Bedienungsanleltung

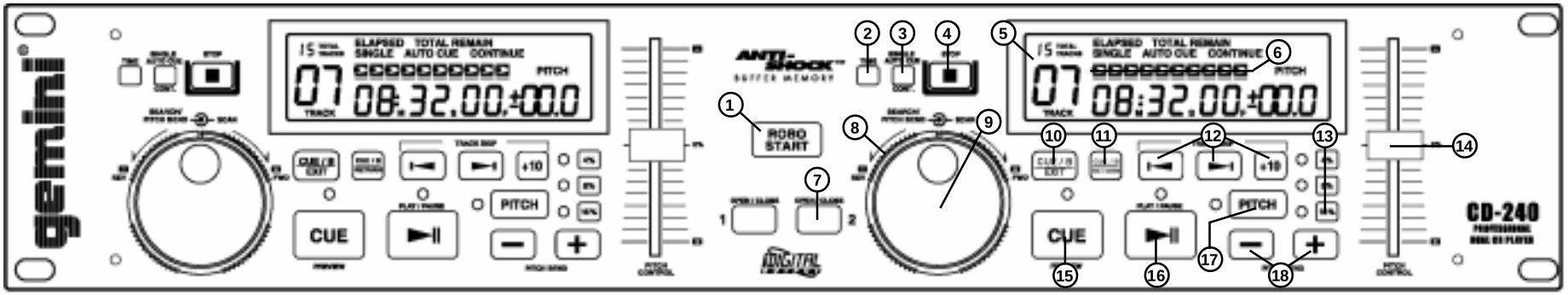
Manual de funcionamiento

Manual de fonctionnement

Manual del utente

CD-240

PROFESSIONAL CD PLAYER


gemini
ANTI-SHOCK
BUFFER MEMORY
ELAPSED TOTAL REMAIN
SINGLE AUTO CUE CONTINUE
PITCH
TRACK
CUE
PITCH
RORO START
CD-240
1
2
3
4
5
6
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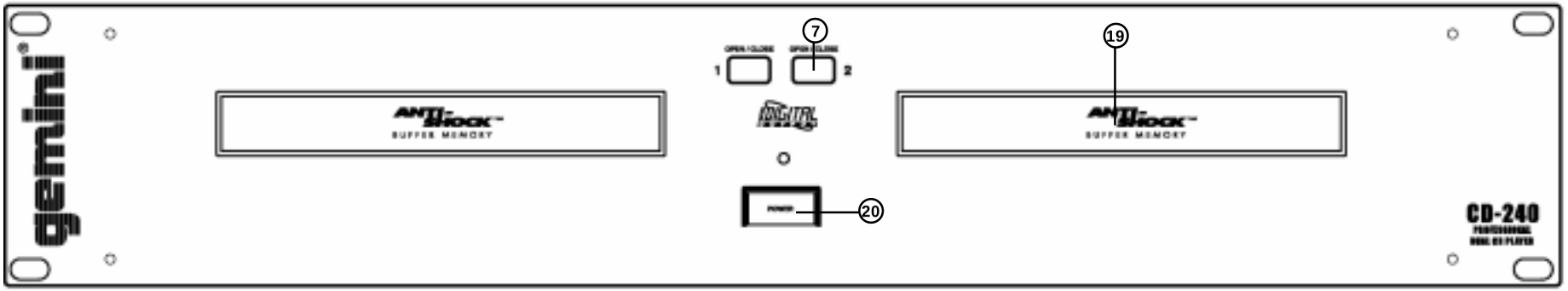
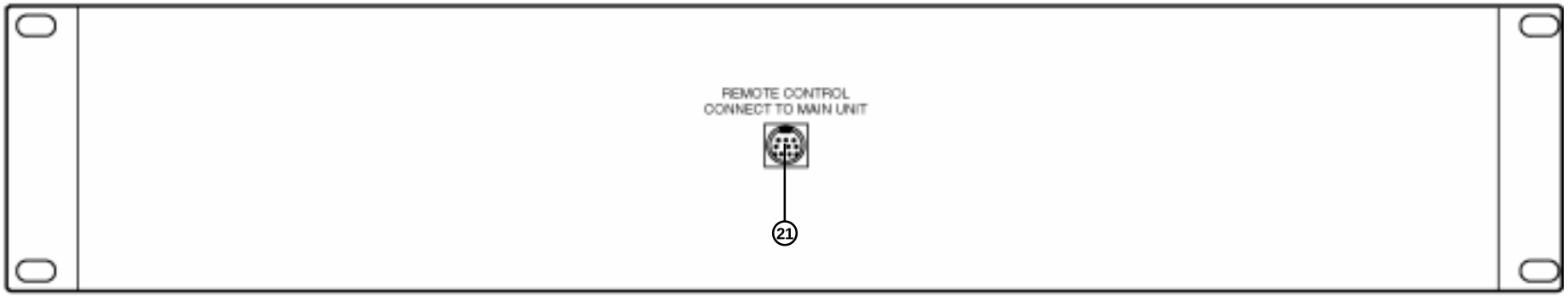
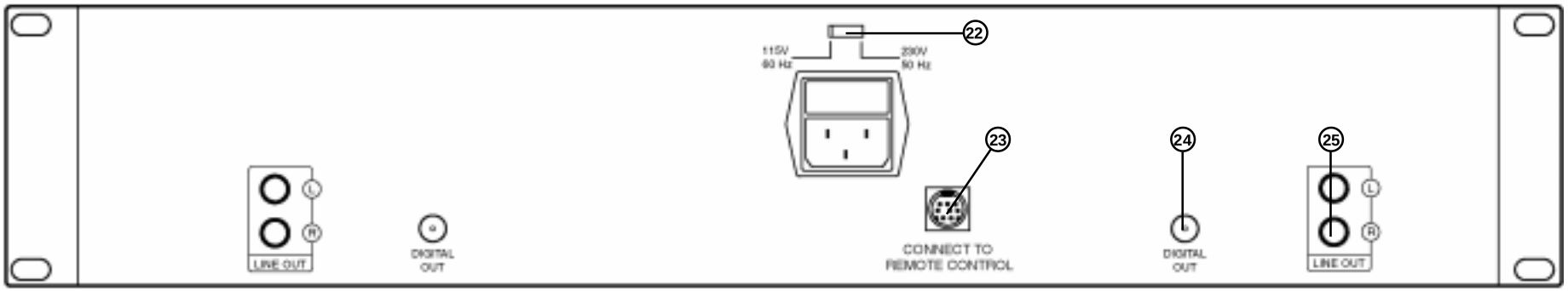
17
18


gemini
ANTI-SHOCK
BUFFER MEMORY
POWER
CD-240
7
19
20


REMOTE CONTROL
CONNECT TO MAIN UNIT
21


115V
60 Hz
230V
50 Hz
22
23
24
25
LINE OUT
DIGITAL OUT
CONNECT TO REMOTE CONTROL
DIGITAL OUT
LINE OUT

INTRODUCTION

Congratulations on purchasing a Gemini CD-240 Dual CD Player. This state of the art professional CD player is backed by a three year warranty, excluding lasers. One year warranty on CD lasers. Prior to use, we suggest that you carefully read all the instructions.

CAUTIONS

Do not use this CD Player at temperatures below 41°F/5°C or higher than 95°F/35°C.

Place the unit in a clean and dry location.

Do not place the unit in an unstable location.

When disconnecting the power cord from an AC outlet, always grasp it by the plug. Never pull the power cord.

To prevent electric shock, do not remove the cover or the bottom screws. There are no user serviceable parts inside. Please refer servicing to a qualified technician.

Do not use chemical solvents to clean the unit.

Keep the laser pickup clean by keeping the drawer closed.

Keep this manual in a safe place for future reference.

SAFETY CERTIFICATIONS

Laser Diode Properties

Material: Ga - Al - As

Wavelength: 755 - 815 nm (25° C)

Laser Output: Continuous Wave, max. 0.5mW

IMPORTANT NOTE

Since the CD-240 is a dual CD player, most of the functions and controls are duplicated on both sides of the CD player. To eliminate confusion and to make the drawings easier to understand, we will only number the right side functions and controls. The only controls that are not duplicated are the **ROBO START (1)**, **POWER (20)** switch and the **VOLTAGE SELECTOR SLIDE (22)** switch.

LINE VOLTAGE SELECTION

Model CD-240 is a dual voltage unit. It will operate at 115 or 230 volts. To set the proper voltage follow these steps:

1. Place the head of a screw driver in the center of the **VOLTAGE SELECTOR SLIDE (22)** switch found on the rear panel.
2. Slide the switch left for 115 volts or push the switch right for 230 volts.
3. Do not force or twist the switch. Excessive force may cause damage. If the switch does not move smoothly, contact a qualified technician.

CONNECTIONS

1. Using the included cable, plug one end into the **REMOTE JACK (21)** and the other end into the **PLAYER JACK (23)**.
2. Plug one end of a set of RCA connectors into each of the **LINE OUTPUT (25)** jacks.
3. Plug the other end of the RCA connectors into any available line level input jacks on your mixer. If you are playing the CD-240 through a receiver, you can plug the RCA connectors into the CD or AUX input jacks on your receiver. If there are no CD or AUX inputs, use any line level (not phono) inputs.

FUNCTION DESCRIPTIONS

ANTI-SHOCK BUFFER MEMORY: With **20 SECONDS OF ANTI-SHOCK BUFFER MEMORY**, each side of the CD player stores 10 seconds of future play to ensure that any harsh movement or bumping of the unit will not interrupt play and play will continue smoothly.

POWER SWITCH: After making sure that the **VOLTAGE SELECTOR SLIDE (22)** switch**,** found on the rear panel, is properly set, plug the unit in and press the **POWER (20)** switch. The unit will turn on. Pushing the **POWER (20)** switch a second time will turn the unit off.

DISC TRAY: The **DISC TRAY (19)** is where the CD is held during loading, unloading and playback. Pressing the disc tray **OPEN/CLOSE BUTTON (7),** will open or close the tray. The **DISC TRAY (19)** holds both 12 cm and 8 cm CDs. Please note, if the CD-240 is in the play mode, the tray will not open.

OPEN/CLOSE BUTTON: Press the **OPEN/CLOSE BUTTON (7)** to load or remove a CD from the **DISC TRAY (19)**.

DISPLAY: The **DISPLAY (5)** shows the track number, pitch value, single-auto cue, continue (for continuous play), and 3 different time displays. These time displays are time elapsed on the track, time remaining on the disc and time remaining on the track. Time is measured in minutes, seconds and frames.

PLAYBACK DISPLAY: The **PLAYBACK DISPLAY (6)** displays the time remaining to play and flashes slowly when the track has 15 seconds left. The **PLAYBACK DISPLAY (6)** flashes quickly when the track has 5 seconds left.

PLAY/PAUSE ▶❚❚: Each press of the **PLAY/PAUSE BUTTON (16)** causes the operation to change from play to pause or from pause back to play.

TRACK SKIP ❙◀ ▶❙: The **TRACK SKIP BUTTONS (12)** let you select the track to play.

SEARCH JOG WHEEL: The **SEARCH JOG WHEEL (9)** has two functions. Use the **SEARCH JOG WHEEL (9)** to make fine adjustments in PAUSE mode. Use the **SEARCH JOG WHEEL (9)** to bend the pitch for precise synchronization in PLAY mode.

SEARCH DIAL: Use the **SEARCH DIAL (8)** to select the scanning direction and speed. Turning the dial in the clockwise direction will scan forward and counter clockwise will scan in reverse. The scanning speed increases as the dial is turned further.

STOP ■: The **STOP BUTTON (4)** will end the playing of the CD.

TIME: The **TIME BUTTON (2)** switches the time display between the three available choices listed under ***DISPLAY***.

CUE: With the unit in the play mode (play/pause LED glows green), and after the cue point has been memorized, pressing the **CUE BUTTON (15)** will cause the CD player to enter the pause mode (play/pause LED blinks green) at the memorized cue point (the cue LED glows yellow). If the cue point was not memorized, the unit will return to the beginning of the track. Holding down the cue button changes the cue function to **PREVIEW** (allowing you to hear the music play at whatever tempo you adjusted to by holding the cue button down). Releasing the cue button returns you to the preset cue point.

CUE/B EXIT: After the cue point is memorized, pressing the **CUE/B (10)** button in the play mode, (the cue LED BLINKS yellow), repeats the section between the cue point and the point where the **CUE/B (10)** button was pressed (there will be a slight delay between the end and the restart of play). Press the **CUE/B (10)** button again or pause play to **EXIT** the repeating play.

CUE/B RETURN: Press the **CUE/B RETURN (11)** button to return to the beginning of the previously saved CUE/B from normal play.

SINGLE-AUTO CUE/CONTINUOUS: Pressing the **SINGLE-AUTO CUE/ CONTINUOUS (3)** button activates the AUTO CUE FUNCTION. The AUTO CUE FUNCTION causes the unit to pause at the beginning of music of the following track and allows you to start play immediately from the start of music without any blank space (which exists at the beginning of every track). Pressing the **SINGLE-AUTO CUE/CONTINUOUS (3)** button a second time activates the CONTINUOUS function causing the unit to play continuously (after the last track, the unit will return to the first track of the disc and continue to play). Pressing the **SINGLE-AUTO CUE/CONTINUOUS (3)** button a third time deactivates the CONTINUOUS function.

ROBO START: Press the **ROBO START (1)** button to activate **ROBO START** (the button will blink). Use **ROBO START** in **SINGLE-AUTO CUE MODE** to alternate play between the two sides of the CD player (one track from one side, then one track from the other side). See the “Robo Start Instructions” section for further instructions.

4%, 8% and 16% BUTTONS: Use the **4%, 8% and 16% BUTTONS (13)** to assign the percent the pitch control slide will have. The 4% button will assign +/-4% to the pitch control slide. The 8% button will assign +/-8% to the pitch control slide. The 16% button will assign +/-16% to the pitch control slide. The **PITCH CONTROL (17)** must be ON for the **4%, 8% and 16% BUTTONS (13)** to work.

PITCH CONTROL: Pushing the **PITCH CONTROL (17)** activates the pitch section of the unit (pitch LED glows red). The pitch of the CD will change according to the position of the **PITCH SLIDE (14)**.

PITCH BEND BUTTONS **– +**: Pushing the **PITCH BEND BUTTONS (18)** will automatically raise or lower the pitch +/-4%, 8% and 16% without changing the slide setting. Releasing the buttons will return the pitch to the slide setting. You can use this function to match the pitch bend when mixing from one song to another.

DIGITAL OUTPUT JACK: Connecting any type of **DAT, MD, HARD DRIVE**, or other such items which accept digital signals to the **BNC OUTPUT CONNECTOR (24)** on the rear panel of the transports allows you to record a digital signal from CD.

OPERATING INSTRUCTIONS

1. Make sure that the **VOLTAGE SELECTOR SLIDE (22)** switch**,** found on the rear panel, is set for the proper voltage. Plug the unit in and press the **POWER SWITCH (20)**. The unit will turn on. Pushing the **POWER (20)** switch a second time will turn the unit off.
2. Press the **OPEN/CLOSE BUTTON (7)**, place a CD in the **DISC TRAY (19)** and press the **OPEN/CLOSE BUTTON (7)** again. The tray will close into the unit.
3. Push the **TRACK SKIP BUTTONS (12)** to select the track you want to play.
4. Press the **PLAY/PAUSE BUTTON (16)** and the unit will instantly play.

CUE INSTRUCTIONS

To start the play at a point other than the beginning of a track, follow these instructions.

1. To memorize the spot at which you want play to start, select the proper track, and then push the **PLAY/PAUSE BUTTON (16)** so the unit goes into the play mode (play/pause LED will glow green). Listen to the CD and when the CD gets to the approximate spot, push **PLAY/PAUSE BUTTON (16)** so the unit goes into the pause mode (play/pause LED will blink green). Move the **SEARCH JOG WHEEL (9)** to the precise spot you want play to begin and push the **PLAY/PAUSE BUTTON (16)** to memorize the cue point. Press the **CUE BUTTON (15)** to return to the memorized cue point. Push the **PLAY/PAUSE BUTTON (16)**, and the unit will instantly play from the spot selected.
2. To fine tune the memorized cue point, push the **PLAY/PAUSE BUTTON (16)** so the unit goes into the play mode (play/pause LED glows green) and listen carefully to the starting point. Push the **CUE BUTTON (15)** and the unit will enter the pause mode (play/pause LED blinks green) and the CD will return to the previously memorized cue point. If you decide that this point is okay, leave the unit alone until you are ready to play it. At that time push the **PLAY/PAUSE BUTTON (16)**. The unit will instantly play from the spot selected. If the selected spot is not where you want it, with the unit in the play mode, simply push the **CUE BUTTON (15)**. The unit will go back to the previously selected spot, and enter the pause mode. By moving the **SEARCH JOG WHEEL (9)** you can hear and move the cue point forward or backward. After you have located the spot, push the **PLAY/PAUSE BUTTON (16)** to memorize the new cue point. Press the **CUE BUTTON (15)** to pause play at the new memorized cue point.

ROBO START INSTRUCTIONS

IN SINGLE-AUTO CUE MODE:

Use **ROBO START** in **SINGLE-AUTO CUE MODE** to alternate play between the two sides of the CD player (one track from one side, then one track from the other side). In **SINGLE-AUTO CUE MODE** play starts immediately from the start of music without any blank space (which exists at the beginning of every track). **ROBO START** causes one side of the CD player to play, while the other side is paused.

1. Engage **SINGLE-AUTO CUE MODE** with the **SINGLE-AUTO CUE/ CONTINUOUS (3)** button.
2. Press the **ROBO START (1)** button to activate **ROBO START** (the button will blink). Play will alternate between the two sides of the CD player. At the end of the track, the playing side will pause, and the other side will play. At the end of this track, the playing side will pause, and the other side will play. The CD player will continue to alternate between the two sides until you stop it (after the last track of the CD, it goes back to the first track).

NOTE: Pausing the playing side in the middle of a track will cause the other side to play. When that track ends, play will begin from the middle of the track where play was paused.

IN CONTINUOUS MODE OR DURING NORMAL PLAY:

If you use **ROBO START** without **SINGLE-AUTO CUE MODE** (in **CONTINUOUS MODE** or during normal play), play will not alternate automatically. Pressing pause on the playing side will cause the other side to play.

1. During normal play, set a cue point on the other side of the CD player.
2. Press the **ROBO START (1)** button to activate **ROBO START** (the button will blink).
3. Press **PLAY/PAUSE BUTTON (16)** on the playing side to begin play from the cue point on the other side.

TROUBLE SHOOTING

- If the disk will not play, check to see if the disc was loaded correctly (label side up). Also check the disc for excessive dirt, scratches, etc.
- If the disc turns but there is no sound, check the cable connections. If they are okay, check your amplifier or receiver.
- If the CD skips, check the CD for dirt or scratches. Do not assume that the CD player is defective. Many CDs are recorded out of spec and will skip on most or all CD players. Before sending the unit in for repair, try playing a CD that you are sure plays properly.

SPECIFICATIONS

GENERAL:

Type.....Dual Mechanism Compact Disc Player w/wired remote
Disc Type.....Standard Compact discs (12 cm & 8 cm)
Time Display.....Track Elapsed, Track Remain, or Total remain
Variable Pitch.....± 4%, ± 8%, ± 16% Slider with Resume Switch
Pitch Bend.....± 16% Maximum
Instant Start.....Within 0.015 seconds
Track Selection.....1 to 99 Tracks
Installation.....19" Rack Mountable Player Unit, 2 U
19" Rack Mountable Control Unit, 2 U

AUDIO SECTION:

Quantization.....1 Bit Linear/Channel, 3 Beam Laser
Oversampling Rate.....8 Times
Sampling Frequency.....44.1 kHz
Frequency Response.....20 Hz to 20 kHz
Digital Output.....IEC958
Total Harmonic Distortion.....Less Than 0.05%
Signal to Noise Ratio.....104 dB
Dynamic Range.....98 dB
Channel Separation.....90 dB (1 KHz)
Output Level.....1.9 Volts R.M.S.
Power Supply.....AC 120/230V, 60/50 Hz
Dimensions.....Player Unit 19" x 3 1/2" x 10" ; Control Unit 19" x 3 1/2" x 3 5/8"
Weight.....Player Unit 11 lbs (5 kg); Control Unit 3.5 lbs (1.5 kg)

* Specifications and design are subject to change without notice for purpose of improvement.

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